



500.42992X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: N. KAWAMURA, et al

Serial No.: 10/628,467

Filed: July 29, 2003

For: DATABASE PROCESSING METHOD AND SYSTEM USING  
LOG INFORMATION, PROCESSING PROGRAM THEREOF  
AND STORAGE UNIT FOR EXECUTION THEREOF

Group: 2165

Examiner: A. M. Mofiz

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 16, 2005

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration. The Examiner is informed that copy of the U.S. Patents and Application Publications are not being submitted.

This information disclosure statement is being submitted before the mailing date of either a final action or a notice of allowance and is accompanied by the fee of \$180.00 set forth in 37 CFR §1.17(p).

Each of the documents listed on the attached form equivalent to Form  
12/19/2005 JADD01 00000095 10628467  
PTO-1449 is in the English language. 02 FC:1886 180.00 0P

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (500.42992X00) please credit any excess fees to such deposit account.

Respectfully submitted,

  
Carl I. Brundidge  
Registration No. 29,621  
MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

CIB/jdc  
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<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office		ATTY. DOCKET NO. <b>500.42992X00</b>	SPECIAL NO.  <b>10/628,867</b>
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICANT <b>N. KAWAMURA, et al</b>	
(Use several sheets if necessary)		FILING DATE <b>July 29, 2003</b>	GROUP

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	A. Bhide, "An Efficient Scheme for Providing High Availability", IBM TJ Watson Research Center, pp. 236-245, June 1992.
	J. Gray et al, Transaction Processing: Concepts and Techniques", Morgan Kaufmann Publishers, 1993, pp. 556-557 and pp. 604-609.

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<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		ATTY. DOCKET NO. <b>500.42992X00</b>	SERIAL NO. <b>10/628,867</b>
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<b>6,748,502</b>	<b>6-2004</b>	<b>WATANABE et al.</b>			
	<b>2003/0074600 A1</b>	<b>04-2003</b>	<b>TAMATSU</b>			
	<b>2002/0133507 A1</b>	<b>09-2002</b>	<b>HOLENSTEIN et al.</b>			
	<b>2004/0133591 A1</b>	<b>07-2004</b>	<b>HOLENSTEIN et al.</b>			
	<b>2002/0095547 A1</b>	<b>07-2002</b>	<b>WATANABE et al.</b>			
	<b>4,821,172</b>	<b>04-1989</b>	<b>KANEKO et al.</b>			
	<b>6,502,205</b>	<b>12-2002</b>	<b>YANAI et al.</b>			
	<b>6,643,795</b>	<b>11-2003</b>	<b>SICOLA et al.</b>			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Rahm, Performance Evaluation of Extended Storage Architectures for Transaction Processing, University of Kaiserslautern, Germany.
	Veritas Volume Replicator, Enterprise-Class Disaster Recovery for Mission-Critical Environments, 1992.
	R. VanNatta, "Crash Recovery" Database Management System, 2 <sup>nd</sup> Edition, pp. 1-26.

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**Patent and Trademark Office**

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<b>4,751,702</b>	<b>6/98</b>	<b>Beier, et al</b>			
	<b>5,758,355</b>	<b>5/98</b>	<b>Buchanan</b>			
	<b>6,173,292</b>	<b>1/01</b>	<b>Barber, et al</b>			
	<b>5,640,561</b>	<b>6/97</b>	<b>Satoh, et al</b>			

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<b>6,466,951</b>	<b>10/02</b>	<b>Birkler, et al</b>			
	<b>6,850,958</b>	<b>2/05</b>	<b>Wakabayashi</b>			
	<b>2002/0103815</b>	<b>8/02</b>	<b>Duvillier, et al</b>			
	<b>2002/0107878</b>	<b>8/02</b>	<b>Tsuchida, et al</b>			

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